State of New Hampshire

Department of Transportation

HB25 Equipment Capital Budget Request

Capital Budget Committee Presentation

March 15, 2017

Fleet Replacement Value & Historic Investment

Mechanical Services

Equipment Acquisition Appropriation/Investment History

Fiscal Year	1/2 Ton Pick-up	3/4 Ton Pick-up	6-wheel Cab & Chassis	10-Wheel Cab & Chassis	Class 30 Appropriations	Actual Encumberance	Actual Expenditures (Lawson)	Lapse or Reductions	Comments
2000	$12,623	$18,656	$37,678	$61,866	$5,111,258	$5,108,744			
2001	$12,369	$18,885	$37,638	$58,422	$4,946,491	$4,946,174			
2002	$12,597	$15,615	$41,417	$60,143	$5,573,156	$5,574,531			
2003	$11,880	$16,753	$50,195	$78,815	$7,282,539	$7,277,488			
2004					$4,458,464	$0		$4,458,464	Mandated Freeze - Governor Benson
2005	$11,500	$19,200	$55,299	$98,710	$4,643,206	$4,627,708			
2006	$12,540	$18,331	$55,333	$91,846	$4,500,000	$4,499,939			
2007	$12,741	$18,887	$58,634	$89,042	$4,500,000	$4,502,456			
2008					$3,500,000	$41,436		$3,458,564	Internal lapse - Hwy. Fund Deficit
2009		$19,890	$71,988	$117,916	$3,500,000	$2,127,373		$1,372,627	Internal lapse - Hwy. Fund Deficit
2010	$14,769	$19,940	$74,581	$109,544	$3,510,000	$3,493,148			
2011	$14,829	$19,807	$83,073	$116,225	$3,500,000	$6,460,434			$2.99 M Transferred from the Highway Fund
2012			$87,391	$116,225	$2,702,384	$2,702,218			
2013		$22,100	$93,727	$117,670	$2,937,985	$2,602,832		$335,000	Lapse - Chapter 223:19, II Laws of 2011
2014		$21,570	$92,269	$124,673	$2,500,000	$2,694,753		$205,000	Transfer from Org. 3035 Bureau of Construction
2015		$24,716	$90,220	$125,600	$2,800,000	$3,941,801			$1,142,000 Transferred from the Highway Fund
2016	$18,712	$24,668			$2,000,000	$6,990,327			$5.0 M of Bonded Funds Were Added: Chapter 220, Laws of 2015 (HB25), 04-096-096-960030-82930000-034
					$31,450,369	$35,556,778		$5,371,191	

The Department has establish target funding requests for equipment replacement to be approximately 10% of the fleet value per year. For Fiscal Year 2016, $8.5 million was requested and represents 10% the fleet value (approx. $85.1m) as of July 1, 2015. Over the past 10 years the Department's fleet investment was limited to $35.5 million or 42% of the desired amount.

Assumptions:

1 Class 30 Appropriations = Original Appropriations through the Highway Fund : 04-96-96-960515-30050000-030

2 Actual Expenditure amounts in each Fiscal Year may differ from Actual Encumbered amounts due to time required from the date a purchase order is issued to the date of delivery for each fleet unit

3 Fleet Value is calculated from the approx. replacement costs for all the active equipment.

Fleet Parameters:

Samples of Fleet: Age and Usage

As of July 1, 2016: Fleet of 1,208 units with a replacement value estimated to be $90,8 million.

Description	Number	Value (millions)	Ave. Age (years)	AGE (years)				Usage (miles)			Usage (Hours)		
				# > 7	# > 10	# > 12	# > 15	# > 150K	# > 180K	# > 200K	# > 10K	# > 12K	# > 15K
Extra Heavy Trucks	70	$12.7	10.2	46	37	28	11	19	14	11	3		
Heavy Trucks	260	$39.1	8.1	134	122	88	18	75	38	15	31	8	
Medium Trucks	55	$4.3	9.5	33	26	24	1	19	14	7	1		
Mobile Equipment	149	$19.2											
Graders	20	$6.2		20	20	14	12				5	4	1
Loaders	44	$7.3		44	36	19	13				7	3	
Tractor/Loaders	27	$1.8		27	23	23	11						
			Totals	**304**	**264**	**196**	**66**	**113**	**66**	**33**	**47**	**15**	**1**
Light Duty Trucks													
1/2 Ton Pick-ups	101	$1.9	6.4	50	9			31	10	5			
LDT1 - Other	6	$0.2	8.9	4	4			0	0	0			
3/4 Ton Pick-ups	160	$4.1	4.2	62	11	6	1	60	30	22			
LDT2 - Other	23	$0.7	10.5	19	10	7	4	15	10	8			
Passenger Cars	113	$2.0	7.8	73	35	2		48	28	12			
Vans													
<8 Passenger	4	$80K	9.6	3	3								
9-20 Passenger	1	$26K	14.3	1	1	1		1					
E-350 Aerial	3	$225K	9	3				3	3	3			
Cargo	5	$130K	8.2	3	2			3	3	1			
			Totals	**218**	**75**	**16**	**5**	**161**	**84**	**51**			

Fiscal Year 2017 Fleet Statistics as of July 1, 2016
Replacement Evaluation Criteria
Attachment 3

Effective 7/1/2016, revised 9/12/2016		A	B		C		D	E	F	G	H	I	J	K
Category	Category Description	Expected Age	Expected Usage Primary		Expected Usage Secondary		# Units	Approx. Replacement Costs (Total Fleet) (D x H)	# Exceeds Life Age or Usage	% of Fleet Exceeding Parameters	Approx. Replacement Costs	Current Replacement Sub Totals (F x H)	Current Replacement Class Totals (Sum of I)	Target Funding Level / Yr. (D/A x H)
0963800	**MECHANICAL SERVICES**						**1208**		**443**	**37%**				
EHDT	**Trucks_ExtraHeavy Duty >45000#**						**70**	**$ 12,700,000**	**27**	**39%**			**$ 5,225,000**	
19009	HD CRANE-H400	15	8,000	H	250,000	M	1	$ 250,000	1	100%	$ 250,000	$ 250,000		$ 16,667
19010	BRIDGE INSPECTOR	15	8,000	H	250,000	M	1	$ 675,000	1	100%	$ 675,000	$ 675,000		$ 45,000
55012	OVER 5 TON TRUCKS	12	12,000	H	250,000	M	59	$ 10,325,000	18	31%	$ 175,000	$ 3,150,000		$ 860,417
55013	STRIPER TRUCKS	15	12,000	H	250,000	M	5	$ 750,000	4	80%	$ 150,000	$ 600,000		$ 50,000
55014	TRACTOR TRUCKS	15	12,000	H	250,000	M	3	$ 450,000	2	67%	$ 150,000	$ 300,000		$ 30,000
61018	EDUCTORS	15	10,000	H	250,000	M	1	$ 250,000	1	100%	$ 250,000	$ 250,000		$ 16,667
HDT	**Trucks_Heavy Duty > 20001#**						**260**	**$ 39,060,000**	**77**	**30%**			**$ 11,510,000**	
55011	3 TO 5 TON TRUCKS	12	12,000	H	180,000	M	257	$ 38,550,000	76	30%	$ 150,000	$ 11,400,000		$ 3,212,500
55021	CAR CARRIERS\WRECKERS	15	180,000	M	12,000	H	1	$ 150,000	0	0%	$ 150,000	$ -		$ 10,000
61022	PAINT VANS	15	180,000	M	12,000	H	1	$ 110,000	1	100%	$ 110,000	$ 110,000		$ 7,333
61033	MOBIL CORE DRILL	15	12,000	H	150,000	M	1	$ 250,000	0	0%	$ 250,000	$ -		$ 16,667
MDT	**Trucks_Medium Duty > 10001#**						**55**	**$ 4,310,000**	**33**	**60%**			**$ 2,565,000**	
55009	1 TO 1-1/2 TON TRUCKS	6	150,000	M	0	H	49	$ 3,920,000	28	**57%**	$ 80,000	$ 2,240,000		$ 653,333
55010	PATROL TRUCKS	10	12,000	H	150,000	M	6	$ 390,000	5	**83%**	$ 65,000	$ 325,000		$ 39,000
LDT1	**Trucks_Light Duty < 8501#**						**107**	**$ 2,075,000**	**51**	**48%**			**$ 1,010,000**	
55008	1/2 TON PICKUPS	7	150,000	M	0	N	101	$ 1,919,000	46	46%	$ 19,000	$ 874,000		$ 274,143
55016	CARGO\BOX TRUCKS - UP TO 8500 LBS	7	150,000	M	0	N	1	$ 26,000	1	100%	$ 26,000	$ 26,000		$ 3,714
55022	SUVS - UP TO 8500 LBS	7	150,000	M	0	N	1	$ 50,000	1	100%	$ 50,000	$ 50,000		$ 7,143
56001	VANS\BUSES - UP TO 8 PASSENGERS CAPACITY	7	150,000	M	0	N	4	$ 80,000	3	75%	$ 20,000	$ 60,000		$ 11,429
LDT2	**Trucks_Light Duty > 8501#**						**183**	**$ 4,778,000**	**58**	**32%**			**$ 1,571,000**	
55015	3/4 TON PICKUPS	7	150,000	M	0	N	160	$ 4,080,000	42	26%	$ 25,500	$ 1,071,000		$ 582,857
55017	CARGO\BOX TRUCKS - 8501 LBS TO 10000 LBS	10	150,000	M	0	N	5	$ 130,000	3	60%	$ 26,000	$ 78,000		$ 13,000
55023	SUVS - 8501 LBS TO 10000 LBS	10	150,000	M	0	N	13	$ 390,000	9	69%	$ 30,000	$ 270,000		$ 39,000
61027	UTILITY VEHICLES	10	150,000	M	0	N	3	$ 126,000	3	100%	$ 42,000	$ 126,000		$ 12,600
61028	ROAD ANALYSIS VEHICLES	10	150,000	M	0	N	2	$ 52,000	1	50%	$ 26,000	$ 26,000		$ 5,200
PASSAUT	**Passenger Autos_**						**113**	**$ 2,007,500**	**71**	**63%**			**$ 1,278,500**	
61024	COMPACT SEDANS	7	150,000	M	0	N	19	$ 313,500	1	5%	$ 16,500	$ 16,500		$ 44,786
1025	MID SIZE SEDANS	7	150,000	M	0	N	93	$ 1,674,000	69	74%	$ 18,000	$ 1,242,000		$ 239,143
1026	FULL SIZE SEDANS	7	150,000	M	0	N	1	$ 20,000	1	100%	$ 20,000	$ 20,000		$ 2,857
VB1	**Vans & Buses_1 seats 9-20**						**1**	**$ 26,000**	**1**	**100%**			**$ 26,000**	
56002	VANS\BUSES - 9 TO 20 PASSENGERS CAPACITY	10	150,000	M	0	N	1	$ 26,000	1	100%	$ 26,000	$ 26,000		$ 2,600
MEC	**Mobile Equipment_Construction**						**149**	**$ 19,232,000**	**115**	**77%**			**$ 14,380,000**	
11001	COMPRESSORS	10	7,500	H	0	N	24	$ 384,000	22	92%	$ 16,000	$ 352,000		$ 38,400
19008	YARD CRANES	15	6,500	H	0	N	5	$ 675,000	2	40%	$ 135,000	$ 270,000		$ 45,000
25001	MOTOR GRADERS	13	12,000	H	0	N	20	$ 6,200,000	14	70%	$ 310,000	$ 4,340,000		$ 476,923
25003	MAINTAINERS	12	10,000	H	0	N	1	$ 240,000	1	100%	$ 240,000	$ 240,000		$ 20,000
33002	WHEELED LOADERS	12	12,000	H	0	N	44	$ 7,260,000	36	82%	$ 165,000	$ 5,940,000		$ 605,000
43001	SELF PROPELLED SWEEPERS	10	9,000	M	100,000	H	2	$ 500,000	2	100%	$ 250,000	$ 500,000		$ 50,000
49001	TRACTOR/MOWERS	12	3,000	H	0	N	2	$ 100,000	2	100%	$ 50,000	$ 100,000		$ 8,333
49002	TRACTOR/LOADERS	12	6,000	H	0	N	27	$ 1,755,000	23	85%	$ 65,000	$ 1,495,000		$ 146,250
49003	TRACTOR/LOADER/BACKHOES	12	10,000	H	0	N	5	$ 550,000	5	100%	$ 110,000	$ 550,000		$ 45,833
49007	FORK LIFTS	12	6,000	H	0	N	3	$ 150,000	2	67%	$ 50,000	$ 100,000		$ 12,500
49013	SKID STEER LOADERS	12	5,000	H	0	N	9	$ 495,000	2	22%	$ 55,000	$ 110,000		$ 41,250
59001	TRAILER WELDERS	15	5,000	H	0	N	1	$ 10,000	1	100%	$ 10,000	$ 10,000		$ 667
61003	CORE DRILLS	15	12,000	H	0	N	5	$ 900,000	2	40%	$ 180,000	$ 360,000		$ 60,000
61020	BOILER AND STEAM CLEANER	20	10,000	H	0	M	1	$ 13,000	1	100%	$ 13,000	$ 13,000		$ 650
TRE	**Trailers_Equipment -Flatbed**						**9**	**$ 90,000**	**9**	**100%**			**$ 90,000**	
53002	TRAILERS	10	10,000	H	180,000	M	9	$ 90,000	9	100%	$ 10,000	$ 90,000		$ 9,000
TRENC	**Trailers_Enclosed**						**2**	**$ 50,000**	**0**	**0%**			**$ 25,000**	
53007	BOX TRAILERS	10	0	H	0	M	2	$ 50,000	1	50%	$ 25,000	$ 25,000		$ 5,000
AE	**Associated Equipment_**						**259**	**$ 6,465,000**	**1**	**0%**			**$ 20,000**	
61002	SLIDE-IN SPREADERS	40	12,000	H	0	N	257	$ 6,425,000	0	0%	$ 25,000	$ -		$ 160,625
61076	SELF PROPELLED SCISSORS LIFT	10		H		N	2	$ 40,000	1	50%	$ 20,000	$ 20,000		$ 4,000
							Total=	**$ 90,793,500**				**Total=**	**$ 37,700,500**	**$ 7,925,486**

Notes: Approx. acqusition costs paid to purchase the current fleet $60.7 million

Approx. depreciated value of the current fleet $38.2 million

Column J: 'Target Funding Level / Yr.' represents a per year requirement for equipment replacement based on expected life.

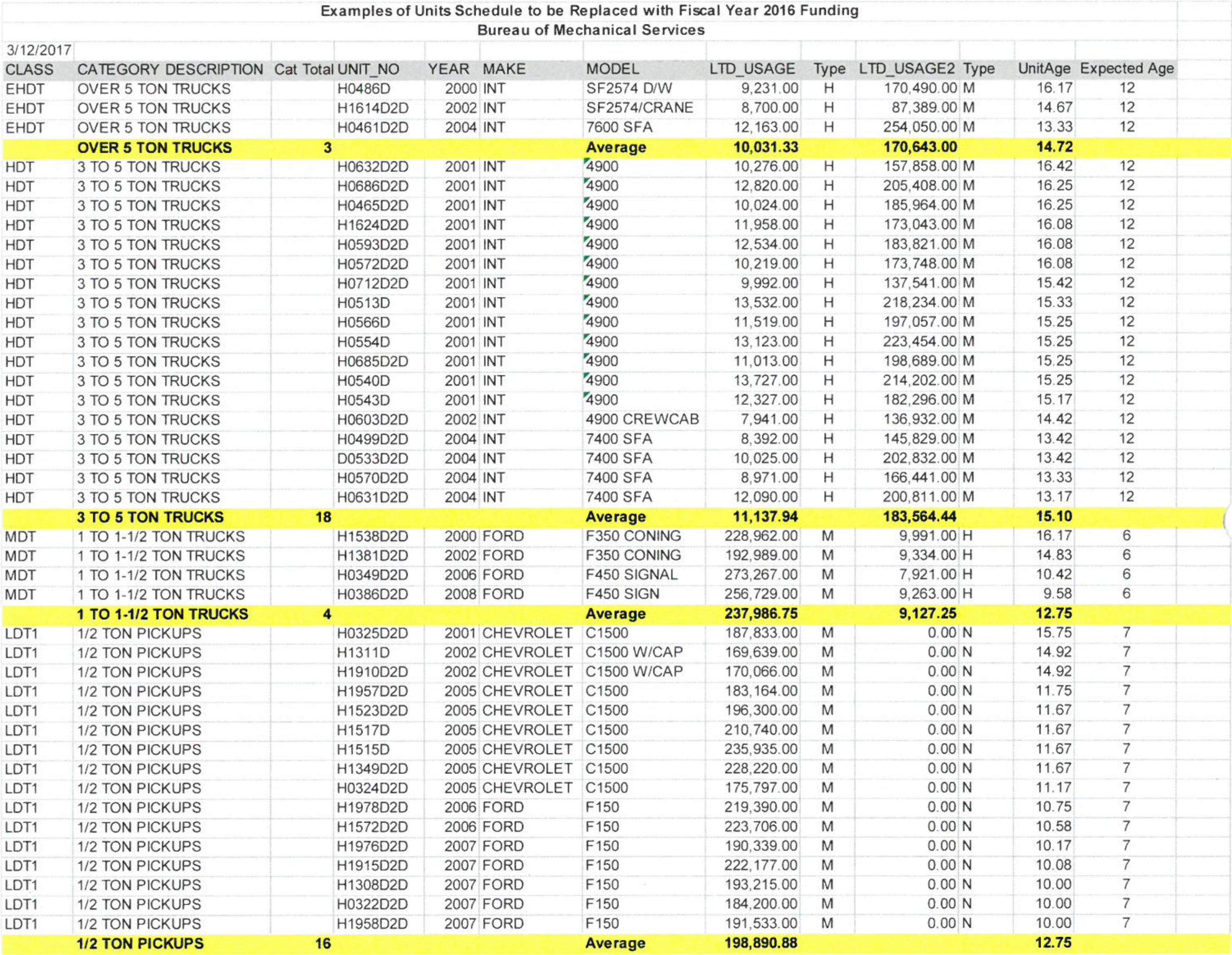
To catch up over time:

1 yr	$37,700,500
5 yrs	$7,540,100
10 yrs	$3,770,050
15 yrs	$2,513,367

The Fleet Statistics Table establishes criteria for fleet vehicles to be evaluated for potential replacement. The table also provides estimated replacement cost based of category description. Actual fleet units replaced are determined by field valuations.

Actual Unit Replacement:

While the Fleet Statistic spreadsheet shown above provides guidance as to which units need to be evaluated for potential replacement, the actual replacement can occur over a year from the date the appropriation is available. Shown below are the proposed trade unit's parameters that were effective through March 3, 2017. Some of these units are still in operation until the replacement unit arrives.



Examples of Units Schedule to be Replaced with Fiscal Year 2016 Funding

Bureau of Mechanical Services

3/12/2017

CLASS	CATEGORY DESCRIPTION	Cat Total	UNIT_NO	YEAR	MAKE	MODEL	LTD_USAGE	Type	LTD_USAGE2	Type	UnitAge	Expected Age
EHDT	OVER 5 TON TRUCKS		H0486D	2000	INT	SF2574 D/W	9,231.00	H	170,490.00	M	16.17	12
EHDT	OVER 5 TON TRUCKS		H1614D2D	2002	INT	SF2574/CRANE	8,700.00	H	87,389.00	M	14.67	12
EHDT	OVER 5 TON TRUCKS		H0461D2D	2004	INT	7600 SFA	12,163.00	H	254,050.00	M	13.33	12
	OVER 5 TON TRUCKS	**3**				**Average**	**10,031.33**		**170,643.00**		**14.72**	
HDT	3 TO 5 TON TRUCKS		H0632D2D	2001	INT	4900	10,276.00	H	157,858.00	M	16.42	12
HDT	3 TO 5 TON TRUCKS		H0686D2D	2001	INT	4900	12,820.00	H	205,408.00	M	16.25	12
HDT	3 TO 5 TON TRUCKS		H0465D2D	2001	INT	4900	10,024.00	H	185,964.00	M	16.25	12
HDT	3 TO 5 TON TRUCKS		H1624D2D	2001	INT	4900	11,958.00	H	173,043.00	M	16.08	12
HDT	3 TO 5 TON TRUCKS		H0593D2D	2001	INT	4900	12,534.00	H	183,821.00	M	16.08	12
HDT	3 TO 5 TON TRUCKS		H0572D2D	2001	INT	4900	10,219.00	H	173,748.00	M	16.08	12
HDT	3 TO 5 TON TRUCKS		H0712D2D	2001	INT	4900	9,992.00	H	137,541.00	M	15.42	12
HDT	3 TO 5 TON TRUCKS		H0513D	2001	INT	4900	13,532.00	H	218,234.00	M	15.33	12
HDT	3 TO 5 TON TRUCKS		H0566D	2001	INT	4900	11,519.00	H	197,057.00	M	15.25	12
HDT	3 TO 5 TON TRUCKS		H0554D	2001	INT	4900	13,123.00	H	223,454.00	M	15.25	12
HDT	3 TO 5 TON TRUCKS		H0685D2D	2001	INT	4900	11,013.00	H	198,689.00	M	15.25	12
HDT	3 TO 5 TON TRUCKS		H0540D	2001	INT	4900	13,727.00	H	214,202.00	M	15.25	12
HDT	3 TO 5 TON TRUCKS		H0543D	2001	INT	4900	12,327.00	H	182,296.00	M	15.17	12
HDT	3 TO 5 TON TRUCKS		H0603D2D	2002	INT	4900 CREWCAB	7,941.00	H	136,932.00	M	14.42	12
HDT	3 TO 5 TON TRUCKS		H0499D2D	2004	INT	7400 SFA	8,392.00	H	145,829.00	M	13.42	12
HDT	3 TO 5 TON TRUCKS		D0533D2D	2004	INT	7400 SFA	10,025.00	H	202,832.00	M	13.42	12
HDT	3 TO 5 TON TRUCKS		H0570D2D	2004	INT	7400 SFA	8,971.00	H	166,441.00	M	13.33	12
HDT	3 TO 5 TON TRUCKS		H0631D2D	2004	INT	7400 SFA	12,090.00	H	200,811.00	M	13.17	12
	3 TO 5 TON TRUCKS	**18**				**Average**	**11,137.94**		**183,564.44**		**15.10**	
MDT	1 TO 1-1/2 TON TRUCKS		H1538D2D	2000	FORD	F350 CONING	228,962.00	M	9,991.00	H	16.17	6
MDT	1 TO 1-1/2 TON TRUCKS		H1381D2D	2002	FORD	F350 CONING	192,989.00	M	9,334.00	H	14.83	6
MDT	1 TO 1-1/2 TON TRUCKS		H0349D2D	2006	FORD	F450 SIGNAL	273,267.00	M	7,921.00	H	10.42	6
MDT	1 TO 1-1/2 TON TRUCKS		H0386D2D	2008	FORD	F450 SIGN	256,729.00	M	9,263.00	H	9.58	6
	1 TO 1-1/2 TON TRUCKS	**4**				**Average**	**237,986.75**		**9,127.25**		**12.75**	
LDT1	1/2 TON PICKUPS		H0325D2D	2001	CHEVROLET	C1500	187,833.00	M	0.00	N	15.75	7
LDT1	1/2 TON PICKUPS		H1311D	2002	CHEVROLET	C1500 W/CAP	169,639.00	M	0.00	N	14.92	7
LDT1	1/2 TON PICKUPS		H1910D2D	2002	CHEVROLET	C1500 W/CAP	170,066.00	M	0.00	N	14.92	7
LDT1	1/2 TON PICKUPS		H1957D2D	2005	CHEVROLET	C1500	183,164.00	M	0.00	N	11.75	7
LDT1	1/2 TON PICKUPS		H1523D2D	2005	CHEVROLET	C1500	196,300.00	M	0.00	N	11.67	7
LDT1	1/2 TON PICKUPS		H1517D	2005	CHEVROLET	C1500	210,740.00	M	0.00	N	11.67	7
LDT1	1/2 TON PICKUPS		H1515D	2005	CHEVROLET	C1500	235,935.00	M	0.00	N	11.67	7
LDT1	1/2 TON PICKUPS		H1349D2D	2005	CHEVROLET	C1500	228,220.00	M	0.00	N	11.67	7
LDT1	1/2 TON PICKUPS		H0324D2D	2005	CHEVROLET	C1500	175,797.00	M	0.00	N	11.17	7
LDT1	1/2 TON PICKUPS		H1978D2D	2006	FORD	F150	219,390.00	M	0.00	N	10.75	7
LDT1	1/2 TON PICKUPS		H1572D2D	2006	FORD	F150	223,706.00	M	0.00	N	10.58	7
LDT1	1/2 TON PICKUPS		H1976D2D	2007	FORD	F150	190,339.00	M	0.00	N	10.17	7
LDT1	1/2 TON PICKUPS		H1915D2D	2007	FORD	F150	222,177.00	M	0.00	N	10.08	7
LDT1	1/2 TON PICKUPS		H1308D2D	2007	FORD	F150	193,215.00	M	0.00	N	10.00	7
LDT1	1/2 TON PICKUPS		H0322D2D	2007	FORD	F150	184,200.00	M	0.00	N	10.00	7
LDT1	1/2 TON PICKUPS		H1958D2D	2007	FORD	F150	191,533.00	M	0.00	N	10.00	7
	1/2 TON PICKUPS	**16**				**Average**	**198,890.88**				**12.75**	

Examples of Units Schedule to be Replaced with Fiscal Year 2016 Funding
Bureau of Mechanical Services

3/12/2017

CLASS	CATEGORY DESCRIPTION	Cat Total	UNIT_NO	YEAR	MAKE	MODEL	LTD_USAGE	Type	LTD_USAGE2	Type	UnitAge	Expected Age	
LDT2	3/4 TON PICKUPS		H1563D2D	2002	CHEVROLET	2500HD/ XCAB	168,552.00	M	0.00	N	14.83	7	
DT2	3/4 TON PICKUPS		H1560D2D	2002	CHEVROLET	2500HD/ XCAB	175,763.00	M	0.00	N	14.58	7	
LDT2	3/4 TON PICKUPS		H0356D2D	2003	CHEVROLET	2500HD/ XCAB	162,254.00	M	0.00	N	13.67	7	
LDT2	3/4 TON PICKUPS		H1319D2D	2005	CHEVROLET	2500HD/ XCAB	270,895.00	M	0.00	N	11.67	7	
LDT2	3/4 TON PICKUPS		H0312D2D	2006	CHEVROLET	2500HD/ XCAB	236,190.00	M	0.00	N	10.75	7	
LDT2	3/4 TON PICKUPS		H1339D2D	2006	CHEVROLET	2500HD/ XCAB	164,531.00	M	0.00	N	10.67	7	
LDT2	3/4 TON PICKUPS		H1391D2D	2006	CHEVROLET	2500HD/ XCAB	169,530.00	M	0.00	N	10.67	7	
LDT2	3/4 TON PICKUPS		H1580D2D	2006	CHEVROLET	2500HD/ XCAB	243,950.00	M	0.00	N	10.58	7	
LDT2	3/4 TON PICKUPS		H1386D2D	2006	CHEVROLET	2500HD/ XCAB	180,295.00	M	0.00	N	10.58	7	
LDT2	3/4 TON PICKUPS		H1338D2D	2006	CHEVROLET	2500HD/ XCAB	209,325.00	M	0.00	N	10.58	7	
LDT2	3/4 TON PICKUPS		H1596D2D	2008	FORD	F250 X-CAB	192,531.00	M	0.00	N	9.92	7	
LDT2	3/4 TON PICKUPS		H1574D2D	2008	FORD	F250	206,929.00	M	0.00	N	9.83	7	
LDT2	3/4 TON PICKUPS		H1387D2D	2008	FORD	F250 X-CAB	194,805.00	M	0.00	N	9.83	7	
LDT2	3/4 TON PICKUPS		H0317D2D	2008	FORD	F250 X-CAB	195,588.00	M	0.00	N	9.75	7	
LDT2	3/4 TON PICKUPS		H1543D2D	2008	FORD	F250 X-CAB	217,060.00	M	0.00	N	9.75	7	
LDT2	3/4 TON PICKUPS		H1369D2D	2008	FORD	F250 X-CAB	270,236.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1578D2D	2008	FORD	F250 X-CAB	178,386.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1547D2D	2008	FORD	F250 X-CAB	168,790.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1590D2D	2008	FORD	F250 X-CAB	183,730.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H0339D2D	2008	FORD	F250 X-CAB	248,972.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1356D2D	2008	FORD	F250 X-CAB	195,875.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1597D2D	2008	FORD	F250 X-CAB	176,378.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1394D2D	2008	FORD	F250 X-CAB	174,955.00	M	0.00	N	9.67	7	
LDT2	3/4 TON PICKUPS		H1359D2D	2008	FORD	F250 X-CAB	191,800.00	M	0.00	N	9.58	7	
LDT2	3/4 TON PICKUPS		H1347D2D	2008	FORD	F250 X-CAB	176,852.00	M	0.00	N	9.58	7	
LDT2	3/4 TON PICKUPS		H1532D2D	2008	FORD	F250 X-CAB	178,025.00	M	0.00	N	9.58	7	
LDT2	3/4 TON PICKUPS		H1556D2D	2008	FORD	F250 X-CAB	172,439.00	M	0.00	N	9.50	7	
LDT2	3/4 TON PICKUPS		H1367D2D	2008	FORD	F250 X-CAB	213,108.00	M	0.00	N	8.83	7	
LDT2	3/4 TON PICKUPS		H1598D3D	2009	CHEVROLET	2500HD/ XCAB	177,744.00	M	0.00	N	7.58	7	
LDT2	3/4 TON PICKUPS		H0323D2D	2009	CHEVROLET	2500HD/ XCAB	154,663.00	M	0.00	N	7.58	7	
LDT2	3/4 TON PICKUPS		H1390D2D	2009	CHEVROLET	2500HD/ XCAB	193,755.00	M	0.00	N	7.50	7	
LDT2	3/4 TON PICKUPS		H1545D2D	2009	CHEVROLET	2500HD/ XCAB	158,475.00	M	0.00	N	7.42	7	
LDT2	3/4 TON PICKUPS		H0358D3D	2011	CHEVROLET	2500HD	176,548.00	M	0.00	N	6.42	7	
LDT2	3/4 TON PICKUPS		H1357D3D	2011	CHEVROLET	2500HD	190,047.00	M	0.00	N	6.33	7	
LDT2	3/4 TON PICKUPS		H1364D3D	2011	CHEVROLET	2500HD	171,808.00	M	0.00	N	6.33	7	
LDT2	3/4 TON PICKUPS		H1585D3D	2011	CHEVROLET	2500HD	380,622.00	M	0.00	N	6.33	7	
LDT2	3/4 TON PICKUPS		H1336D3D	2011	CHEVROLET	2500HD	188,505.00	M	0.00	N	6.25	7	
DT2	3/4 TON PICKUPS		H1595D3D	2011	CHEVROLET	2500HD	177,820.00	M	0.00	N	6.25	7	
LDT2	3/4 TON PICKUPS		H1581D3D	2011	CHEVROLET	2500HD	165,139.00	M	0.00	N	6.25	7	
LDT2	3/4 TON PICKUPS		H0335D3D	2011	CHEVROLET	2500HD	164,960.00	M	0.00	N	6.25	7	
LDT2	3/4 TON PICKUPS		H1544D3D	2011	CHEVROLET	2500HD	161,120.00	M	0.00	N	6.17	7	
LDT2	3/4 TON PICKUPS		H1385D3D	2011	CHEVROLET	2500HD	188,111.00	M	0.00	N	6.17	7	
LDT2	3/4 TON PICKUPS		H1350D3D	2011	CHEVROLET	2500HD	148,470.00	M	0.00	N	6.00	7	*
LDT2	3/4 TON PICKUPS		H0301D3D	2011	FORD	F250 X-CAB	201,753.00	M	0.00	N	5.42	7	
	3/4 TON PICKUPS	**44**				**Average**	**193,574.64**				**9.01**		
PASSAUT	COMPACT SEDANS		H0237D2D	2003	HONDA	CIVIC HYBRID	198,138.00	M	0.00	N	14.17	7	
PASSAUT	MID SIZE SEDANS		H0261D2D	2003	CHEVROLET	MALIBU	201,066.00	M	0.00	N	14.00	7	
PASSAUT	MID SIZE SEDANS		H0007D2D	2003	CHEVROLET	MALIBU	175,741.00	M	0.00	N	13.92	7	
PASSAUT	MID SIZE SEDANS		H0180D2D	2005	CHEVROLET	MALIBU	251,741.00	M	0.00	N	11.67	7	
PASSAUT	MID SIZE SEDANS		H0135D2D	2005	CHEVROLET	MALIBU	238,700.00	M	0.00	N	11.67	7	
PASSAUT	MID SIZE SEDANS		H0137D2D	2005	CHEVROLET	MALIBU	251,031.00	M	0.00	N	11.58	7	
PASSAUT	MID SIZE SEDANS		H0141D2D	2005	CHEVROLET	MALIBU	196,317.00	M	0.00	N	11.58	7	
PASSAUT	MID SIZE SEDANS		H0209D2D	2005	CHEVROLET	MALIBU	284,823.00	M	0.00	N	11.58	7	
PASSAUT	MID SIZE SEDANS		H0096D2D	2005	CHEVROLET	MALIBU	177,639.00	M	0.00	N	11.58	7	
PASSAUT	MID SIZE SEDANS		H0218D2D	2005	CHEVROLET	MALIBU	168,377.00	M	0.00	N	11.50	7	
PASSAUT	MID SIZE SEDANS		H0262D2D	2005	CHEVROLET	MALIBU	186,024.00	M	0.00	N	11.42	7	
PASSAUT	MID SIZE SEDANS		H0136D2D	2005	CHEVROLET	MALIBU	193,065.00	M	0.00	N	11.42	7	
PASSAUT	MID SIZE SEDANS		H0193D2D	2006	CHEVROLET	MALIBU	254,119.00	M	0.00	N	10.83	7	
PASSAUT	MID SIZE SEDANS		H0115D2D	2006	CHEVROLET	MALIBU	165,730.00	M	0.00	N	10.83	7	
PASSAUT	MID SIZE SEDANS		H0182D2D	2006	CHEVROLET	MALIBU	199,200.00	M	0.00	N	10.83	7	
PASSAUT	MID SIZE SEDANS		H0201D2D	2006	CHEVROLET	MALIBU	230,470.00	M	0.00	N	10.75	7	
PASSAUT	MID SIZE SEDANS		H0282D2D	2006	CHEVROLET	MALIBU	216,243.00	M	0.00	N	10.58	7	
PASSAUT	MID SIZE SEDANS		H0170D2D	2006	CHEVROLET	MALIBU	199,340.00	M	0.00	N	10.58	7	
PASSAUT	MID SIZE SEDANS		H0219D2D	2006	CHEVROLET	MALIBU	227,109.00	M	0.00	N	10.42	7	
PASSAUT	MID SIZE SEDANS		H0204D2D	2007	CHEVROLET	MALIBU	236,100.00	M	0.00	N	10.33	7	
PASSAUT	MID SIZE SEDANS		H0195D2D	2007	CHEVROLET	MALIBU	200,728.00	M	0.00	N	10.33	7	
	MID SIZE SEDANS	**20**				**Average**	**211,985.76**				**11.50**		
MEC	MOTOR GRADERS		H0748D	1987	JOHN DEERE	672B	13,270.00	H	0.00	N	29.83	13	
	MOTOR GRADERS	**1**											
MEC	WHEELED LOADERS		H0782D	1998	JOHN DEERE	544H	13,379.00	H	0.00	N	18.50	12	
	WHEELED LOADERS	**1**											

Notes: * = Totaled due to accident

Parameters effective through 3/10/2017

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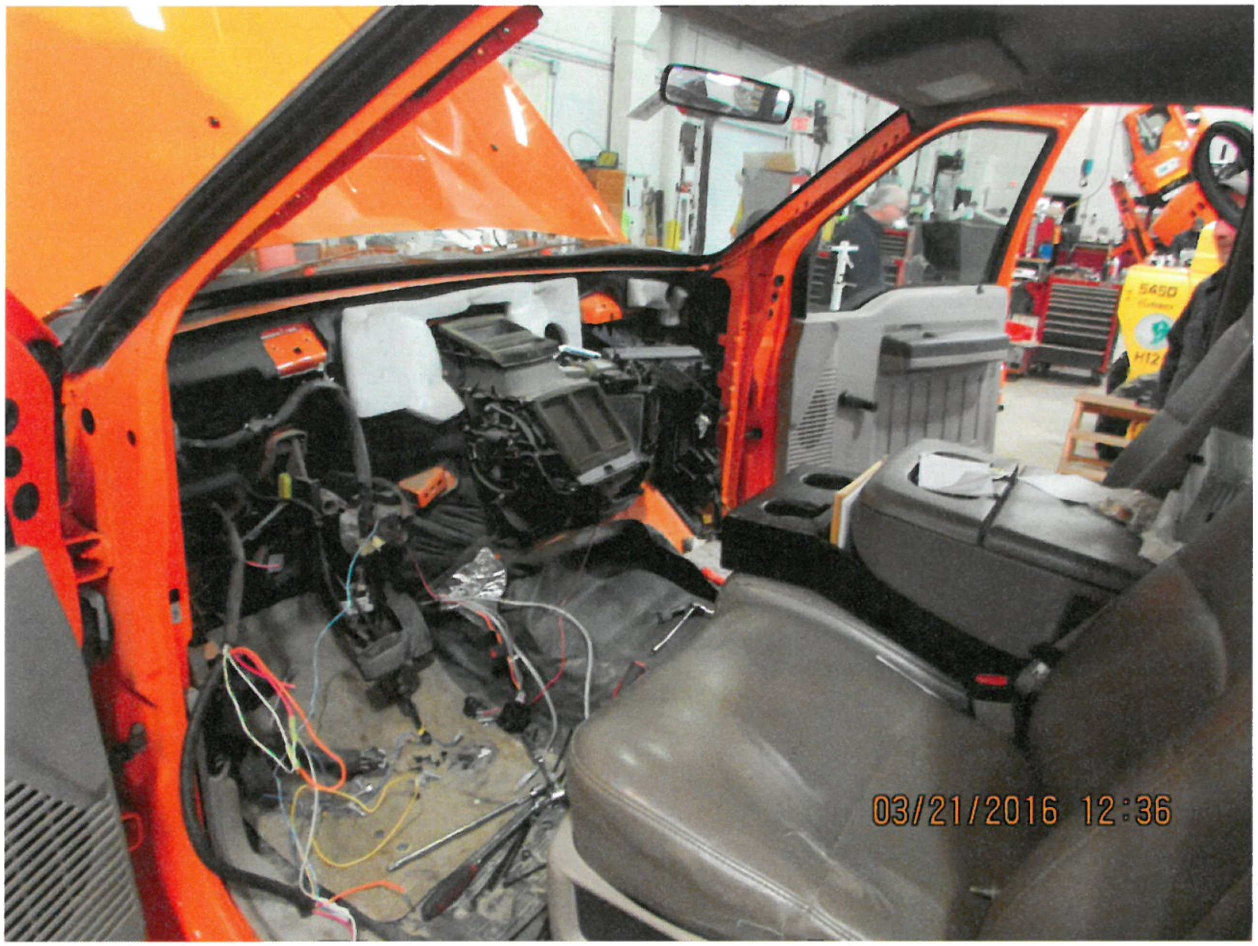
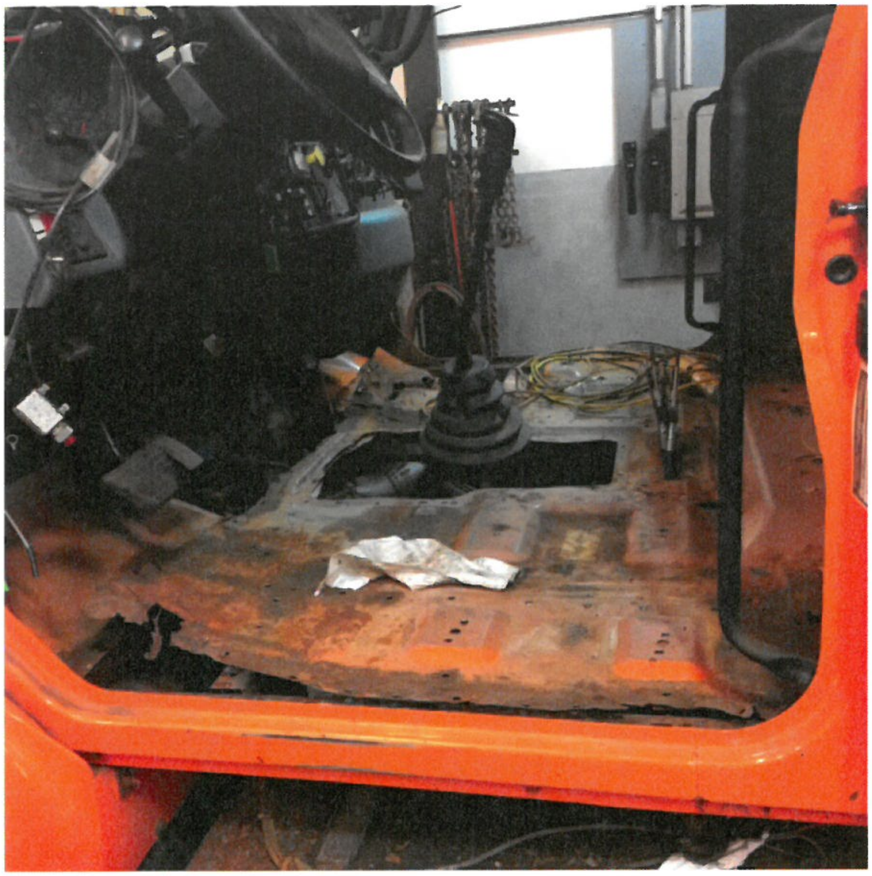
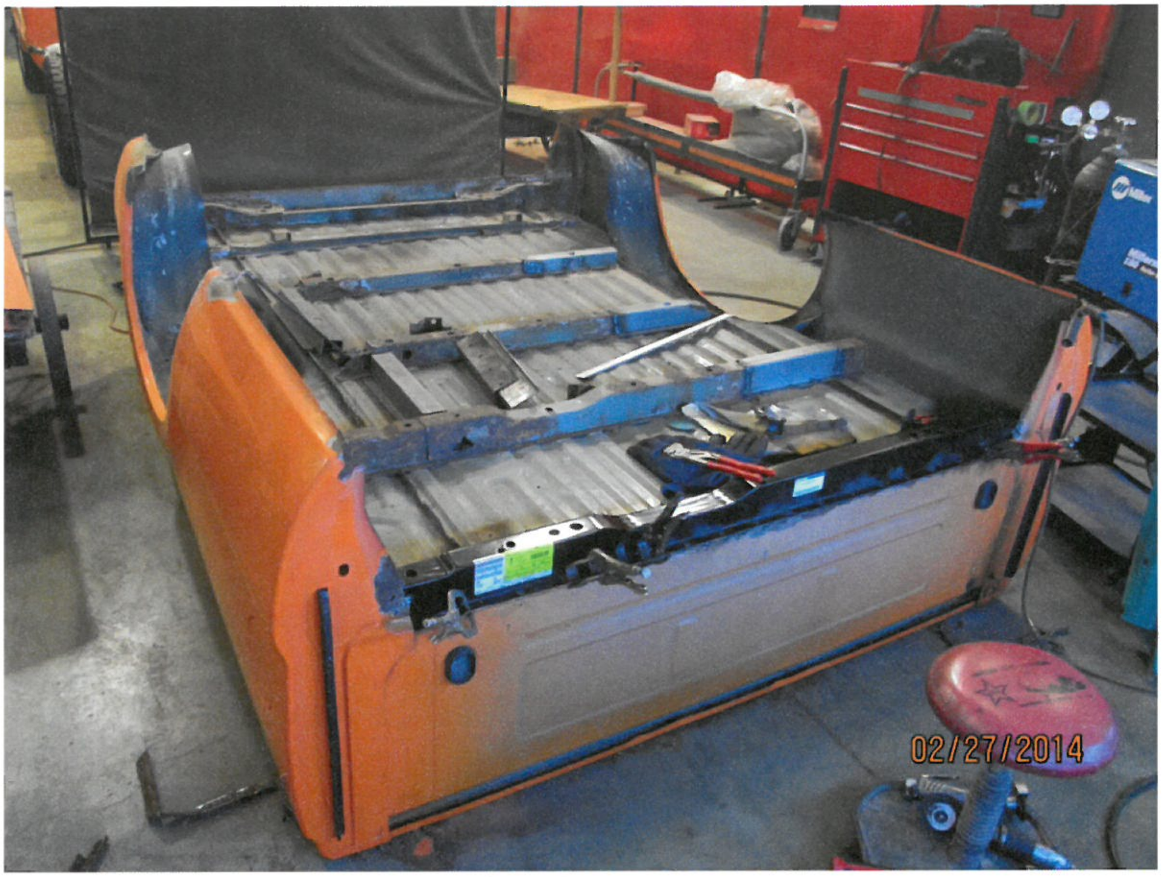
Repair Examples:



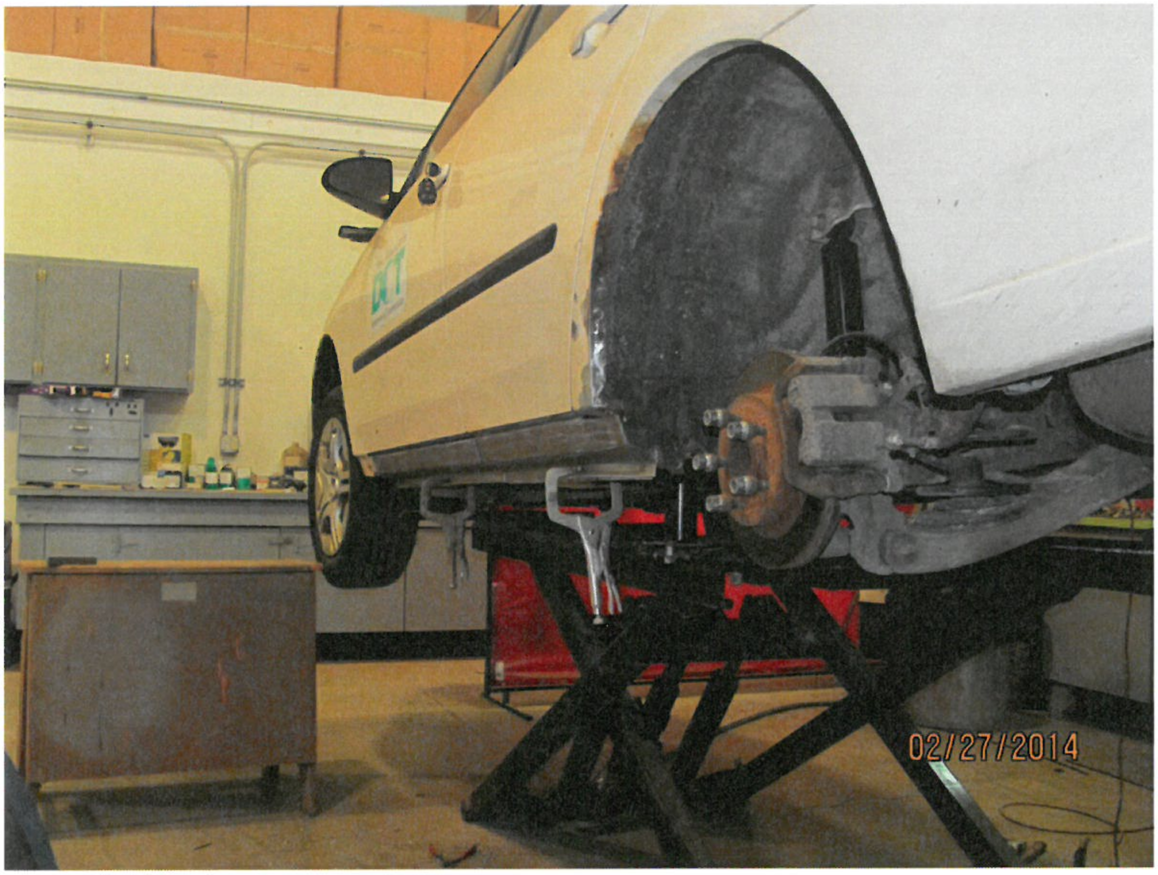
H319
2008 Ford F-450
252,755 miles
6,997 hours
In-service date 12/14/2007
Acquisition cost using re-mounted lift = $50,418
Value based on M5 straight Line Depreciation: $5,041.86
Cost of Heater Core Replacement: $ 1,805 (Labor: $1,403 = 34 hrs. & Parts $401)
Age at heater core repair: 9.8 yrs.
Total Repair Costs to date including 2 replacement engines and 1 transmission: $90,105.
*This vehicle is currently getting the engine rebuilt 3/12/2017.



H638
2002 International 6 wheeled Plow Truck
160,271 miles
9,457 hours
In-service date 02/27/2003
Acquisition cost = $91,564.58
Value based on M5 straight Line Depreciation: $8,138.76
Cost of Rust Repair & Floor Replacement: $7,385 ($5,323 -148 hrs. labor / $2,061 Parts)
Age at Repair: 12.7 yrs.
Total cost of rust repairs: $25,602 ($14,273 labor $11,328 parts)
Total Maintenance /Repair Costs to date: $98,016 (Labor 1,508.23 hrs/$44,154, Commercial charges $6,965, Parts & Materials $46,897)



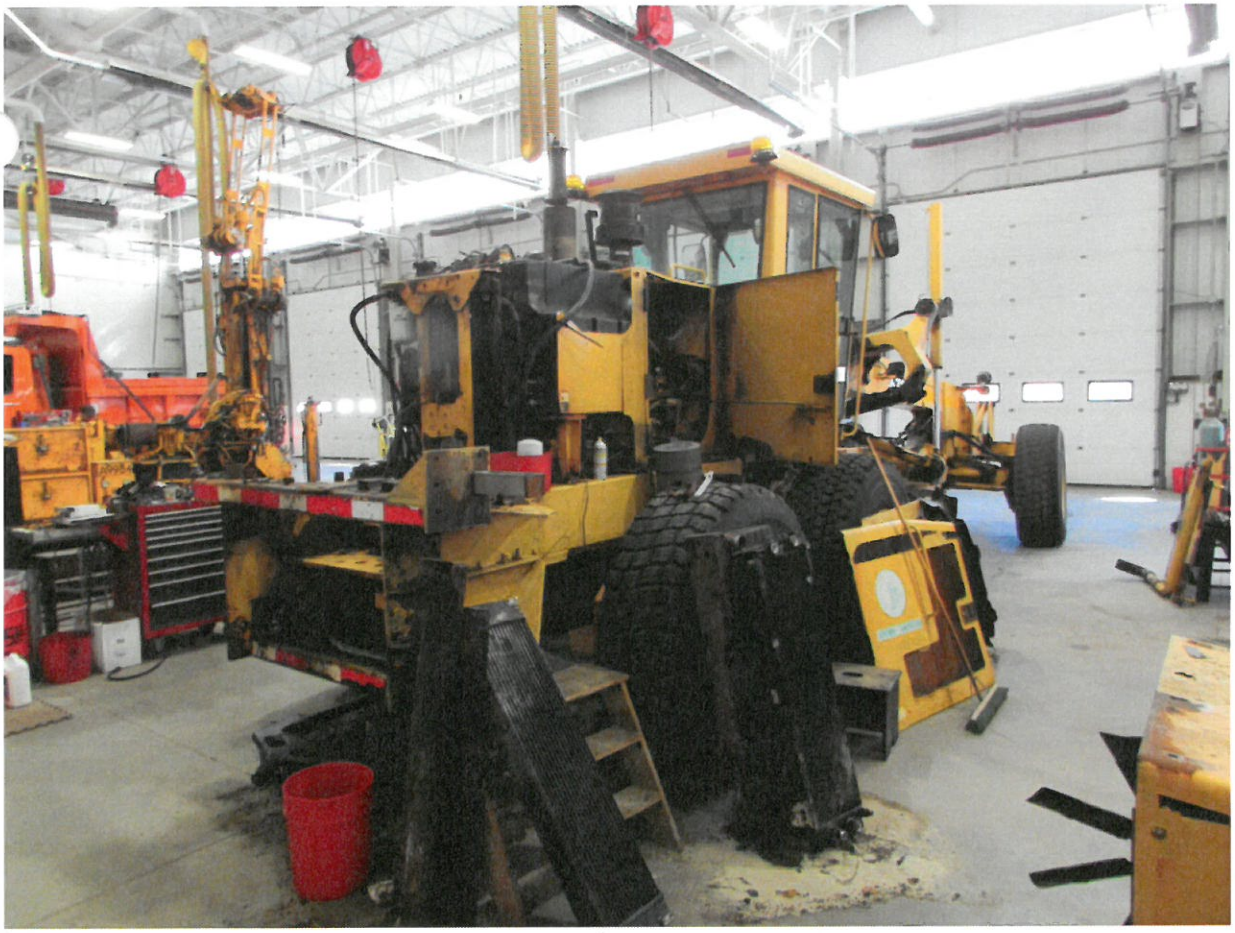
H306
2008 Ford F-250 Extended Cab
In-service date 07/13/2007
Age/miles at Repair: 7.4 years 169,576 miles
Acquisition cost = $19,381
Date of Surplus: 12/10/2015
Miles at Surplus: 203,944
Cost of rust repair: $2,736.49 ($2,536 (74 hrs) labor / $207.5 Parts)
Total Maintenance/Repair Costs to date: $16,314.47 (308 hrs. $8,806 labor & $7,507 Parts)
Value at time of repair: $7,325 (NADA Rough Trade-in)

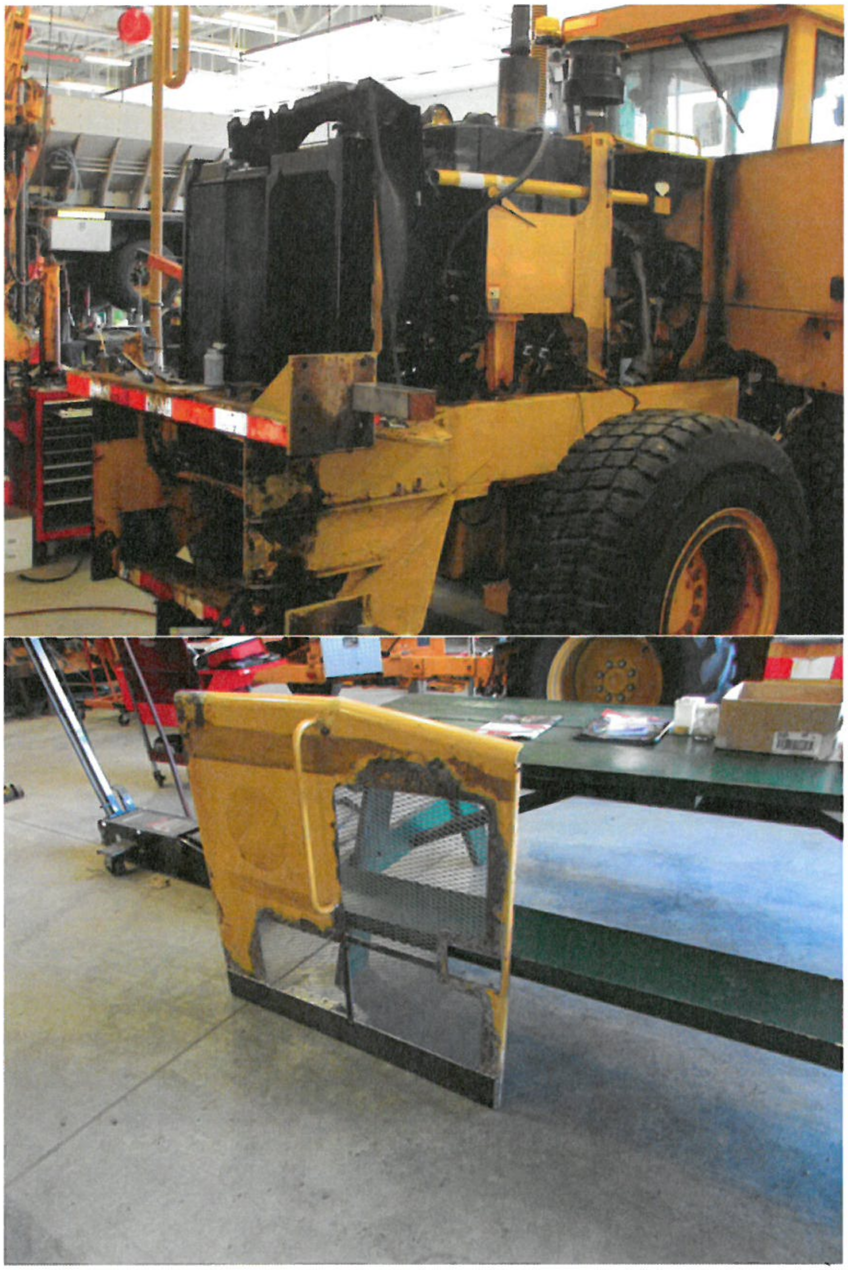


H209 (in-house repair)
2005 Chevy Malibu
In-service date 08/11/2005
Age/miles at Repair: 8.5 years 219,139 miles
Acquisition cost = $13,234
Cost of rust repair: $2,971 ($2,017 (72hrs) labor / $954 Parts)
Value at time of repair: $350 (NADA Rough Trade-in)

H128 (external repair for body work)
2007 Chevy Malibu
In-service date 12/7/2006
Age/miles at Repair: 8.3 years 148,628 miles
Acquisition cost = $13,234
Cost of rust repair: $2,541 (Private garage)
Cost of mechanical Repair: $555 ($303 – 11 hrs. labor & $252 parts)
Value at time of repair: $350 (NADA Rough Trade-in)

672CH
DEERE





H750

2001 John Deere 672CH Motor Grader

3,805 hours

In-service date 12/12/2001

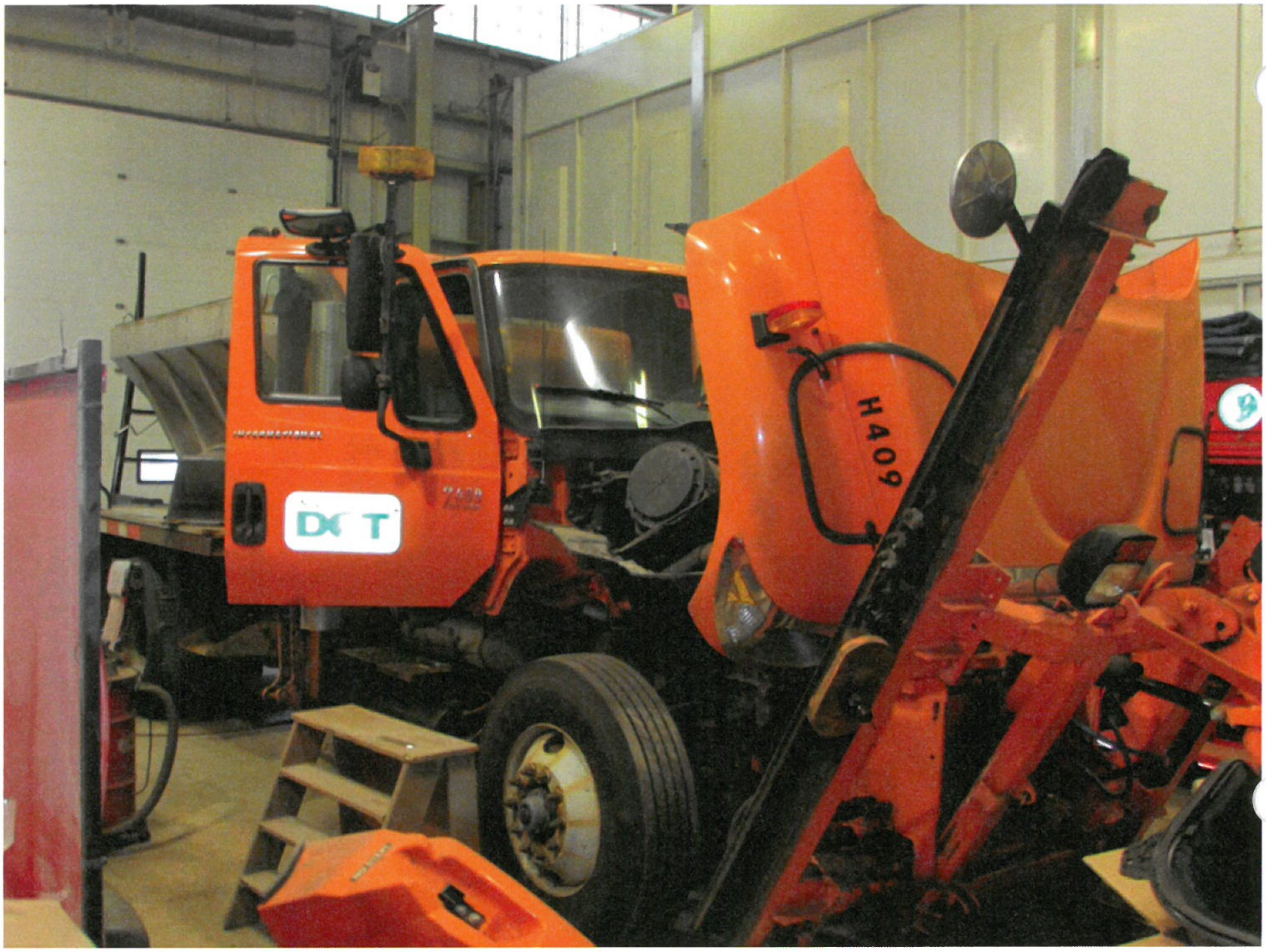
Acquisition cost = $152,162

Value based on M5 straight Line Depreciation: $30,433

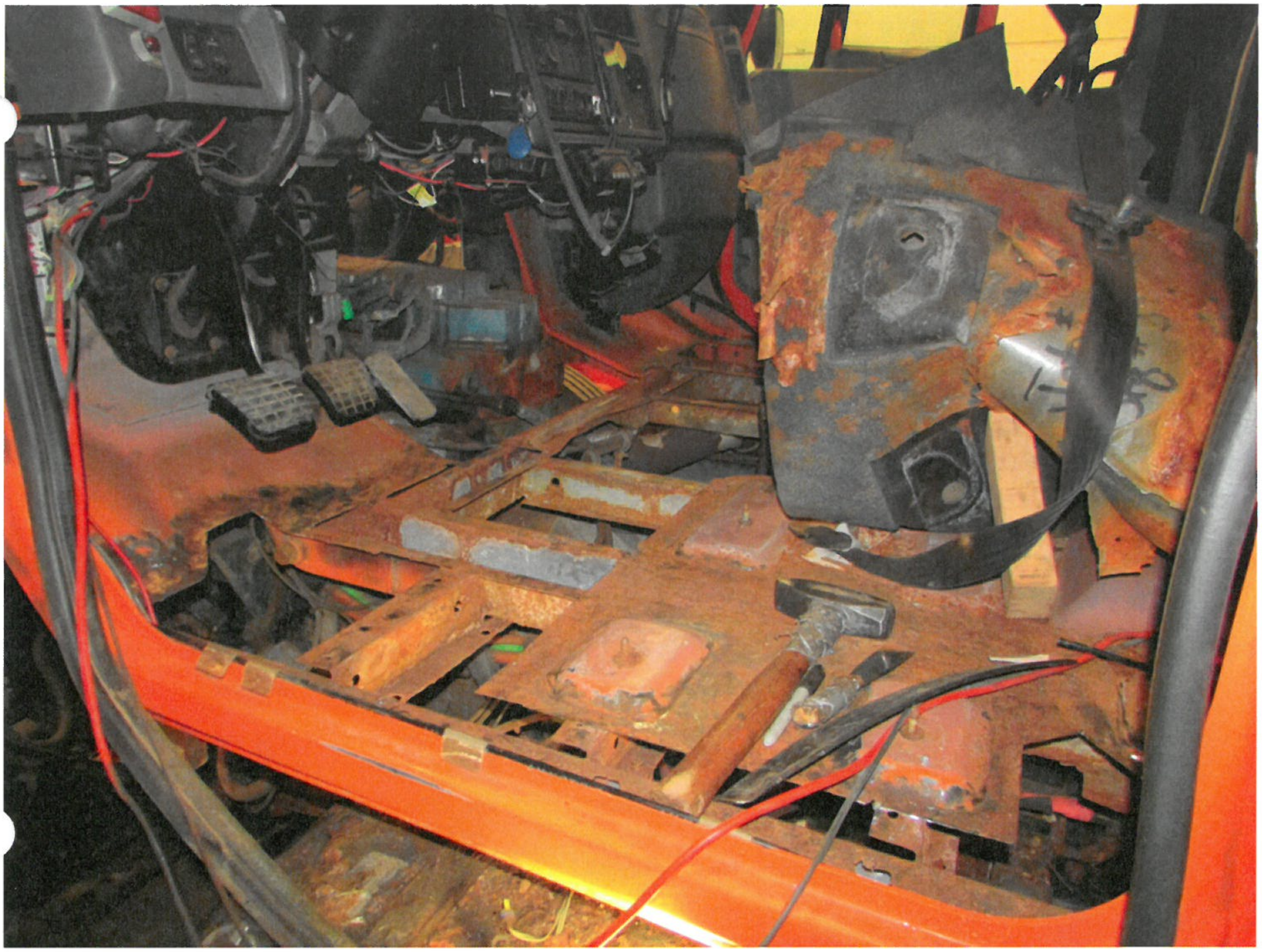
Cost of Rust Repair & Radiator Replacement: $20,940 ($8,377 -228 hrs. labor / $12,562 Parts)

Age at Repair: 14.8 yrs.

Total Maintenance /Repair Costs to date: $106,798 (Labor 1,699 hrs/$48,388, Commercial charges $1,073, Parts & Materials $57,337)



Comments: The municipal dump body was replaced with a flat bed due to corrosion.



Floor Replacement

H409
2002 International 7400 3-5 Ton Dump Truck
7,544 hours 143,162 miles
In-service date: 1/14/2003
Acquisition cost: $86,616
Value based on M5 straight Line Depreciation: $8,661
Date of Repair: 1/30/2017
Cost of Rust Repair: $3,338.70 ($2,968 -89 hrs. labor / $370.55 Parts)
Age at Repair: 14.1 yrs.
Total Maintenance /Repair Costs to date: $98,286 (Labor 1,845 hrs/$55,574, Commercial charges $70.5, Parts & Materials $42,640)

State of New Hampshire Treasury

General Obligation Bond Amortization Schedule

for use as a template to estimate debt service for capital projects

PAY DATE	FISCAL YEAR	Principal 10,000,000	Interest	Principal & Interest	Fiscal Year Totals
11/01/18			250,000	250,000	
05/01/19	2019		250,000	250,000	500,000
11/01/19			250,000	250,000	
05/01/20	2020	666,667	250,000	916,667	1,166,667
11/01/20			233,333	233,333	
05/01/21	2021	666,667	233,333	900,000	1,133,333
11/01/21			216,667	216,667	
05/01/22	2022	666,667	216,667	883,333	1,100,000
11/01/22			200,000	200,000	
05/01/23	2023	666,667	200,000	866,667	1,066,667
11/01/23			183,333	183,333	
05/01/24	2024	666,667	183,333	850,000	1,033,333
11/01/24			166,667	166,667	
05/01/25	2025	666,667	166,667	833,333	1,000,000
11/01/25			150,000	150,000	
05/01/26	2026	666,667	150,000	816,667	966,667
11/01/26			133,333	133,333	
05/01/27	2027	666,667	133,333	800,000	933,333
11/01/27			116,667	116,667	
05/01/28	2028	666,667	116,667	783,333	900,000
11/01/28			100,000	100,000	
05/01/29	2029	400,000	100,000	500,000	600,000
11/01/29			90,000	90,000	
05/01/30	2030	400,000	90,000	490,000	580,000
11/01/30			80,000	80,000	
05/01/31	2031	400,000	80,000	480,000	560,000
11/01/31			70,000	70,000	
05/01/32	2032	400,000	70,000	470,000	540,000
11/01/32			60,000	60,000	
05/01/33	2033	400,000	60,000	460,000	520,000
11/01/33			50,000	50,000	
05/01/34	2034	400,000	50,000	450,000	500,000
11/01/34			40,000	40,000	
05/01/35	2035	400,000	40,000	440,000	480,000
11/01/35			30,000	30,000	
05/01/36	2036	400,000	30,000	430,000	460,000
11/01/36			20,000	20,000	
05/01/37	2037	400,000	20,000	420,000	440,000
11/01/37			10,000	10,000	
05/01/38	2038	400,000	10,000	410,000	420,000
		10,000,000	4,900,000	14,900,000	14,900,000

Assumptions:

1. Bonds issued in the Fall of 2018.
2. This template assumes a fixed coupon of 5.0%
3. Actual coupon yields may be higher or lower.
4. Structured to accommodate first principal payment in the Spring of the year following the issuance.